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Sheet 1 of 2

Form PTO-1449 (Rev. 2-88) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 410718.90395	SERIAL NO. UNASSIGNED
	APPLICANT CHANDRASEKAR, Baskaran et al.		
	FILING DATE 18 March 2002		GROUP

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AML	6	YOON YOUNG-SUP ET AL: "Local intraluminal infusion of oestradiol containing liposome in rat carotid balloon injury model." EUROPEAN HEART JOURNAL, vol. 19, no. ABST. SUPPL. , August 1998 (1998-08), page 616; XP001014473; XXth Congress of the European Society of Cardiology; Vienna, Austria; August 22-26, 1998; ISSN: 0195-668X
AML	7	ZHANG Y-Q ET AL: "EFFECTS OF GENDER AND ESTRADIOL TREATMENT ON FOCAL BRAIN ISCHEMIA", BRAIN RESEARCH, AMSTERDAM, NL, vol. 784, no. ½, 16 Feb 1998 (1998-02-16), pages 321-324, XP000884355; ISSN: 0006-8993
AML	8	KAUFFMAN RAYMOND F ET AL: "Comparative effects of local vs. systemic administration of estrogen upon vascular responses to balloon injury." CIRCULATION, vol. 92, no. 8 SUPPL., 1995, page 1628; XP001014766; 68 th Scientific Session of the American Heart Association; Anaheim, CA; USA; November 13-16, 1995; ISSN: 0009-7322

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(Use several sheets if necessary)				FILING DATE 18 March 2002		GROUP	

U.S. PATENT DOCUMENTS							
EXAMINER'S INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
AML AML AML AML AML AML AML	— — — — — —	9 10 11 12 13 14 15	DATABASE BIOSIS Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; May 1999 (199-05); PERROT-APPLANAT M: "Qestradiol and proliferation of vascular cells." Database accession no. PREV200000507148; XP002177140; abstract & THERAPIE (LONDON), vol. 54, no. 3, May 1999 (1999-05), pages 333-337, ISSN: 0040-5957 DATABASE BIOSIS Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1995 MIKKOLA TOMI ET AL: "17-beta-estradiol stimulates prostacyclin, but not endothelin-1, production in human vascular endothelial cells." Database accession no. PREV199598355996; XP002177141; abstract & JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM, vol. 80, no. 6, 1995, pages 1832-1836; ISSN: 0021-972X DATABASE BIOSIS Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1996 MIKKOLA TOMI ET AL: "Effect of physiological concentrations of estradiol on PGI-2 and NO in endothelial cells." Database accession no. PREV199799286811; XP002177142; abstract & MATURITAS, vol. 25, no. 2, 1996, pages 141-147; ISSN: 0378-5122 CHANDRASEKAR, BASKARAN, (1) ET AL: "Coronary artery endothelial protection following local delivery of 17-beta estradiol during balloon angioplasty: A potential new pharmacological approach to improve long-term outcome of angioplasty." JOURNAL OF AMERICAN COLLEGE OF CARDIOLOGY, (FEB., 2000) VOL. 35, NO. 2, SUPPL. A, PP. 58A, MEETING INFO.: 29 TH ANNUAL SCIENTIFIC SESSION OF THE AMERICAN COLLEGE OF CARDIOLOGY, ANAHEIM, CA, USA MARCH 12-15, 2000; XP001015229 SELZMAN, CRAIG H. ET AL: "Estrogen replacement inhibits intimal hyperplasia and the accumulation and effects of transforming growth factor .beta.1", J. SURG. RES. (1998), 80(2), 380-385; XP001014759 KEANY J. F. ET AL: "17BETA-ESTRADIOL PRESERVES ENDOTHELIAL VASODILATOR FUNCTION AND LIMITS LOW-DENSITY LIPOPROTEIN OXIDATION IN HYPERCHOLESTEROLEMIC SWINE" CIRCULATION, AMERICAN HEART ASSOCIATE, DALLAS, TX, US., vol 89, no. 5, May 1994 (1994-05), pages 2251-2259; XP001014735; ISSN: 0009-7322 DATABASE BIOSIS Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1996; KUBLIK HEIKE ET AL: "Nasal absorption of 17-beta-estradiol from different cyclodextrin inclusion formulations in sheep." Database accession no. Prev199799383935; xp002177143; abstract & EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol. 42, no. 6, 1996, pages 320-324; ISSN: 0939-6411				
EXAMINER <i>Chandrasekar</i>			DATE CONSIDERED <i>8/22/2005</i>				

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Application Number	10/088,405
Filing Date	March 11, 2002
First Named Inventor	Baskaran Chadrasekar
Group Art Unit	
Examiner Name	
Attorney Docket Number	201267.90011

(use as many sheets as necessary)

Sheet 1 of 8

Attorney Docket Number	201267.90011
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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**Examiner
Signature**

Amund Peterson

Date Considered

8/5/2015

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/088,405
		Filing Date	March 11, 2002
		First Named Inventor	Baskaran Chadraserkar
		Group Art Unit	
		Examiner Name	
Sheet 2 of 8	Attorney Docket Number	201267.90011	



OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ²	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AME	—	Akishita, M., et al., "Estrogen Inhibits Cuff-induced Intima Thickening of Rat Femoral Artery: Effects on Migration and Proliferation of Vascular Smooth Muscle Cells," Atherosclerosis 130:1-10, 1997.	
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AME	—	Brewster, M.E., et al., "Use of 2-hydroxypropyl-beta-cyclodextrin as a Solubilizing and Stabilizing Excipient for Protein Drugs," Pharm. Res. 8(6):792-795, 1991.	
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AME	—	Chesebro, J.H., et al., "Restenosis after Arterial Angioplasty: A Hemorrhagic Response to Injury," Am. J. Cardiol. 60:10B-16B, 1987.	
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AME	—	Collins, P., et al., "Hemoglobin Inhibits Endothelium-dependent Relaxation to Acetylcholine in Human Coronary Arteries In Vivo," Circulation 87(1):80-85, 1993.	

Examiner Signature	<i>Alvin H. Hutton</i>	Date Considered	8/22/2002
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 8

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Application Number 10/088,405
Filing Date March 11, 2002
First Named Inventor Baskaran Chadrasekar
Group Art Unit
Examiner Name
Attorney Docket Number 201267.90011

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ²	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AMC	✓	Cooke, J.P. and Tsao, P.S., "Cytoprotective Effects of Nitric Oxide," Circulation 88(5):2451-2454, 1993.	✓
AMC	✓	Cornwell, T.L., et al., "Inhibition of Smooth Muscle Cell Growth by Nitric Oxide and Activation of cAMP-dependent Protein Kinase by cGMP," Am. J. Physiol. 267:C1405-C1413, 1994.	✓
AMC	✓	Currier, J.W. and Faxon, D.P., "Restenosis after Percutaneous Transluminal Coronary Angioplasty: Have We Been Aiming at the Wrong Target?", J. Am. Coll. Cardiol. 25(2):516-520, 1995.	✓
AMC	✓	Dai-Do, D., et al., "17-Beta Estradiol Inhibits Proliferation and Migration of Human Vascular Smooth Muscle Cells: Similar Effects in Cells from Postmenopausal Females and in Males," Cardiovas. Res. 32:980-985, 1996.	✓
AMC	✓	Dangas, G., and Fuster, V., "Management of Restenosis after Coronary Intervention," Am. Heart J. 132(2):428-436, 1996.	✓
AMC	✓	Doenicke, A., et al., "A Comparison of Two Formulations for Etomidate, 2-hydroxypropyl-beta-cyclodextrin (HPCD) and Propylene Glycol," Anesth. Analg. 79:933-939, 1994.	✓
AMC	✓	Fischell, T.A., et al., "Coronary Artery Vasoconstriction Routinely occurs after Percutaneous Transluminal Coronary Angioplasty: A Quantitative Arteriographic Analysis," Circulation 78(6):1323-1334, 1988.	✓
AMC	✓	Foegh, M.L., et al., "Estradiol Inhibition of Arterial Neointima Hyperplasia after Balloon Injury," J. Vasc. Surg. 19(4):722-726, 1994.	✓
AMC	✓	Frijlink, H.W., et al., "The Pharmacokinetics of Beta-cyclodextrin and 2-hydroxypropyl-beta-cyclodextrin in the Rat," Pharm. Res. 7(12):1248-1252, 1990.	✓
AMC	✓	Furchgott, R.F. and Zawadzki, J.V., "The Obligatory Role of Endothelial Cells in the Relaxation of Arterial Smooth Muscle by Acetylcholine," Nature 288:373-376, 1980.	✓
AMC	✓	Geary, R.L., et al., "Conjugated Equine Estrogens Inhibit Progression of Atherosclerosis but have no Effect on Intimal Hyperplasia or Arterial Remodeling Induced by Balloon Catheter Injury in Monkeys," J. Am. Coll. Cardiol. 31(5):1158-1164, 1998.	✓

Examiner Signature

Alfred Lott

Date

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
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		Filing Date	March 11, 2002
		First Named Inventor	Baskaran Chadrasekar
		Group Art Unit	
		Examiner Name	
Sheet 4 of 8	Attorney Docket Number	201267.90011	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AML	-	Gilligan, D.M., et al., "Effects of Physiological Levels of Estrogen on Coronary Vasomotor Function in Postmenopausal Women," Circulation 89(6):2545-2551, 1994.	-
AM	-	Hayashi, Y., et al., "Functional and Anatomical Recovery of Endothelium after Denudation of Coronary Artery," Am. Physiol. Soc. H1081-H1090, 1988.	-
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AM	-	Karas, R.H., et al., "Human Vascular Smooth Muscle Cells Contain Functional Estrogen Receptor," Circulation 89(5):1943-1950, 1994.	-
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AM	-	Kawano, H., et al., "Gender Differences in Improvement of Endothelium-dependent Vasodilation after Estrogen Supplementation," J. Am. Coll. Cardiol. 30(4):914-919, 1997.	-
AM	-	Kim-Schulze, S., et al., "Expression of an Estrogen Receptor by Human Coronary Artery and Umbilical Vein Endothelial Cells," Circulation 94(6):1402-1407, 1996.	-

Examiner Signature		Date Considered	8/12/2005
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 5 of 8

Complete If Known

Application Number	10/088,405
Filing Date	March 11, 2002
First Named Inventor	Baskaran Chadrasekar
Group Art Unit	
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Attorney Docket Number	201267.90011

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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AMC	-	Kim-Schulze, S., et al., "Estrogen Stimulates Delayed Mitogen-Activated Protein Kinase Activity in Human Endothelial Cells via an Autocrine Loop that Involves Basic Fibroblast Growth Factor," Circulation 98:413-421, 1998.	
AMC	-	King, S.B. III, et al., "Endovascular beta-radiation to Reduce Restenosis after Coronary Balloon Angioplasty: Results of the Beta Energy Restenosis Trial (BERT)," Circulation 97:2025-2030, 1998.	
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AMC	-	Kraskinski, K., et al., "Estradiol Accelerates Functional Endothelial Recovery after Arterial Injury," Circulation 95(7):1768-1772, 1997.	
AMC	-	Kristensson, J.K., et al., "Dexamethasone-cyclodextrin-polymer Co-complexes in Aqueous Eye Drops: Aqueous Humor Pharmacokinetics in Humans," Invest. Ophthalmol. Vis. Sci. 37(6):1199-1203, 1996.	
AMC	-	Kuiper, G.G.J.M., et al., "Cloning of a Novel Estrogen Receptor Expressed in Rat Prostate and Ovary," Proc. Natl. Acad. Sci. USA 93:5925-5930, 1996.	
AMC	-	Kullo, I.J., et al., "Enhanced Endothelium-dependent Relaxations after Gene Transfer of Recombinant Endothelial Nitric Oxide Synthase to Rabbit Carotid Arteries," Hypertension 30(3):314-320, 1997.	
AMC	-	Levine, R.L., et al., "Medroxyprogesterone Attenuates Estrogen-mediated Inhibition of Neointima Formation after Balloon Injury of the Rat Carotid Artery," Circulation 94(9):2221-2227, 1996.	
AMC	-	Lindner, V., et al., "Regrowth of Arterial Endothelium: Denudation with Minimal Trauma Leads to Complete Endothelial Cell Growth," Lab. Invest. 61(5):556-563, 1989.	
AMC	-	Lindner, V., et al., "Basic Fibroblast Growth Factor Stimulates Endothelial Regrowth and Proliferation in Denuded Arteries," J. Clin. Invest. 85:2004-2008, 1990.	
AMC	-	Lindner, et al., "Increased Expression of Estrogen Receptor-f3 mRNA in Male Blood Vessels after Vascular Injury," Cir. Res. 83:224-229, 1998.	

Examiner
Signature

Alfred Cotton

Date

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8/22/02

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Sheet 6 of 8

Complete If Known

Application Number 10/088,405
Filing Date March 11, 2002
First Named Inventor Baskaran Chadrasekar
Group Art Unit
Examiner Name
Attorney Docket Number 201267.90011

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AME	-	Losordo, D.W., et al., "Variable Expression of the Estrogen Receptor in Normal and Atherosclerotic Coronary Arteries of Premenopausal Women," Circulation 89(4):1501-1510, 1994.	-
AME	-	Ludmer, P.L., et al., "Paradoxical Vasoconstriction Induced by Acetylcholine in Atherosclerotic Coronary Arteries," N. Eng. J. Med. 315(17):1046-1051, 1986.	-
AME	-	MacRitchie, A.N., et al., "Estrogen Upregulates Endothelial Nitric Oxide Synthase Gene Expression in Fetal Pulmonary Artery Endothelium," Circ. Res. 81(3):355-362, 1997.	-
AME	-	Malekianpour, M., et al., "Abnormal Coronary Vasomotion and Angina after Successful Coronary Angioplasty," Circulation 94(8):I-560, 1996 (Abstract).	-
AME	-	Mancini, G.B.J., et al., "Automated Quantitative Coronary Arteriography: Morphologic and Functional Validation In Vivo of a Rapid Digital Angiographic Method," Circulation 75(2):452-460, 1987.	-
AME	-	McLaren, J., et al., "Vascular Endothelial Growth Factor is Produced by Peritoneal Fluid Macrophages in Endometriosis and is Regulated by Ovarian Steroids," J. Clin. Invest. 98(2):482-489, 1996.	-
AME	-	Mendolsohn, M.E. and Karas, R.H., "Estrogen and the Blood Vessel Wall," Curr. Opin. Cardiol. 9:619-626, 1994.	-
AME	-	Morales, D.E., et al., "Estrogen Promotes Angiogenic Activity in Human Umbilical Vein Endothelial Cells In Vitro and in a Murine Model," Circulation 91(3):755-763, 1995.	-
AME	-	Mori, T., et al., "Short Term Estrogen Treatment Prior to and Following Balloon Injury of Rat Carotid Artery Effectively Blunts the Vascular Injury Response," J. Am. Coll. Cardiol. 33(2 Supp. 1):267A, 1999 (Abstract).	-
AME	-	Mosselman, S., et al., "ERB: Identification and Characterization of a Novel Human Estrogen Receptor," FEBS Let. 392:49-53, 1996.	-
AME	-	Moura, A., et al., "Intramural Delivery of Agent via a Novel Drug-delivery Sleeve: Histological and Functional Evaluation," Circulation 92(8):2299-2305, 1995.	-

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Reginald Lottan

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 7 of 8

Complete if Known

Application Number	10/088,405
Filing Date	March 11, 2002
First Named Inventor	Baskaran Chadrasekar
Group Art Unit	
Examiner Name	
Attorney Docket Number	201267.90011

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AMC	✓	O'Brien, J.E., et al., "Relation Between Estrogen Replacement Therapy and Restenosis after Percutaneous Coronary Interventions," J. Am. Coll. Cardiol. 28(5):1111-1118, 1996.	✓
AMC	✓	O'Keefe, J.H., et al., "Estrogen Replacement Therapy after Coronary Angioplasty in Women," J. Am. Coll. Cardiol. 29(1):1-5, 1997.	✓
AMC	✓	Oparil, S., et al., "Sexually Dimorphic Response of the Balloon-injured Rat Carotid Artery to Hormone Treatment," Circulation 95(5):1301-1307, 1997.	✓
AMC	✓	Post, M.J., et al., "The Relative Importance of Arterial Remodeling Compared with Intimal Hyperplasia in Lumen Renarrowing after Balloon Angioplasty," Circulation 89(6):2816-2821, 1994.	✓
AMC	✓	Reis, S.E., et al., "Ethinyl Estradiol Acutely Attenuates Abnormal Coronary Vasomotor Responses to Acetylcholine in Postmenopausal Women," Circulation 89(1):52-60, 1994.	✓
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AMC	✓	Sarkar, R., et al., "Nitric Oxide Reversibly Inhibits the Migration of Cultured Vascular Smooth Muscle Cells," Circ. Res. 78(2):225-230, 1996.	✓
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AMC	✓	Spyridopoulos, I., et al., "Estrogen-receptor-mediated Inhibition of Human Endothelial Cell Apoptosis: Estradiol as a Survival Factor," Circulation 95(6):1505-1514, 1997.	✓

Examiner Signature

Allegiant Cotton

Date

Considered

8/22/2005

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Sheet	8	of	8

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Am	-	Sullivan, T.R., Jr., et al., "Estrogen Inhibits the Response-to-injury in a Mouse Carotid Artery Model," J. Clin. Invest. 96:2482-2488, 1995.	
Am	-	Tanaka, H., et al., "Sustained Activation of Vascular Cells and Leukocytes in the Rabbit Aorta after Balloon Injury," Circulation 88(4):1788-1803, 1993.	
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Examiner Signature	<i>Alvin J. Linton</i>	Date Considered	8/22/05
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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Baskaran Chadrasetkar	
		FILING DATE 07/24/2002	GROUP 3762

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
Amc	5,180,366	01-29-93				

FOREIGN PATENT DOCUMENTS

	Document number	Date	Country	Class	Subclass	Translation	
						Yes	No
Amc	WO00/01726	10-01-00					
Amc	WO00/55318	21-09-00					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Amc	Akkad, A et al., "The effect of estrogen on Intimal hyperplasia in cultures human ovarian veins", Human Reproduction, 13(6): 1449-1454, 1998 (Abstract).
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Examiner <i>Allegre Colan</i>	Date considered <i>8/22/2005</i>
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